

1 Q. What is the estimated cost of energy in cents/kwh from the combustion turbine
2 while operating at its nameplate rating? In the response, please provide the
3 calculation.

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6 A. The estimated cost of energy in cents/kWh from the combustion turbine while
7 operating at its nameplate rating is 29 cents/kWh. The following shows the
8 calculation:

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10 Input data:

11 Base load fuel consumption: 40,634 L/hr.

12 Current fuel price: 86.69 cents/L

13 Base load fuel cost: \$35,226/hr.

14 Base Load: 123.5 MW at ISO conditions = 123,500 kW

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16 Calculation:

17 Fuel cost per kWh = Base load fuel cost/Base load

18 = \$35,226/123,500 kWh

19 = \$.285/kWh = 28.5 cents/kWh (approx. 29 cents/kWh)